

Notice of Allowability

Application No.

09/632,383

Examiner

Srirama Channavajjala

Applicant(s)

ANANIAN ET AL.

Art Unit

2164

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 2/14/05.
2. ☐ The allowed claim(s) is/are 22-30 [re-numbered as: 1-9].
3. ☒ The drawings filed on 28 April 2004 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
- ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
- ☒ Examiner's Amendment/Comment
- ☒ Examiner's Statement of Reasons for Allowance
- ☐ Other _____

DETAILED ACTION

Response to RCE

1. Examiner acknowledges applicant's RCE and amendment filed on 2/14/2005.
2. Claims 22,27-30 amended [2/14/2005]
3. Examiner acknowledges applicant's response filed on 27 July, 2004
4. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 4/28/2004 has been entered paper no. # 20 and a non-final Office action mailed on 5/12/2004.
5. Claims 1-21 have been cancelled, paper no. # 21
6. Claims 22-30 have been added, paper no. # 21.
7. Examiner acknowledges applicant's response filed on 10/14/2003, paper no.12
8. Claim 4 has been amended, paper no. # 4.
9. Examiner acknowledges applicants preliminary amendment filed on 12/2/2002, paper no. # 6

Drawings

10. The drawings filed on 4/28/2004 are acceptable for examination purpose.

Information Disclosure Statement

11. The information disclosure statement filed on 7/10/24/2003, paper no. # 13 has been considered and a copy was enclosed with this office action, paper no. # 14. The information disclosure statement filed on 7/25/2001, paper no. # 4 has been considered and a copy was enclosed with this office action, paper no. # 8.

EXAMINER'S AMENDMENT

12. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Pursuant to MPEP 606.01 the **Title** is changed to read:

**-- GENERATING CAD INDEPENDENT INTERACTIVE PHYSICAL
DESCRIPTION REMODELING, BUILDING CONSTRUCTION PLAN DATABASE
PROFILE --**

Reasons for allowance

The following is an examiner's statement of reasons for allowance:

The present invention is directed to generating an interactive profile of a building structure employing interactive profile system. The profiling engine performs a systematic enhancement of the plan set, building upon the elemental physical descriptions of the plan set. Each element of the physical description is functionally analyzed for relational attributes and then expanded and tagged. The user directs a profile query to the application engine of the interactive profile system.

The closest prior art Kemp, US Pub.No. 2001/0047251 is directed to computer aided design system for interactively designing three dimensional models for architectural projects operates on a distributed computer network . As components are added to the project, an expert knowledge system reviews the model against heuristic rules and for conflicts with component manufacturer specifications and building codes, [see page 2, col 1, 0016].

The closest prior art Isherwood, US Patent No. 5918219 is directed to estimating, job costing, scheduling, specification details merging with the information system, more specifically accurate, reliable automated estimating technique can be effected by capturing independent focused blocks of data intimately linked to all associated parts of a task [see col 4, line 9-20].

However, both Kemp, Isherwood either singularly or in combination, fail to anticipate or render obvious the recited feature "to create a post-CAD electronic profile of the building based on the elemental plan data, and (c) to store the post-CAD electronic profile in a profile database associated with the CAD independent profiling engine" in claim 22, "creating a post-CAD electronic profile of a building, including a three-dimensional representation of the building and its component parts, the post-CAD electronic profile being created based on a plan set of the building, processed by a CAD-independent profile generating engine" in claim 28. These features together with the other limitations of the independent Claims are novel and non-obvious over the prior art of record. The dependent Claims 23-27,29-30 being definite, enabled by the specifications, and further limiting to the independent Claim, are also allowable.


Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Srirama Channavajjala whose telephone number is 571-272-4108. The examiner can normally be reached on Monday-Friday from 8:00 AM to 5:30 PM Eastern Time.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dov Popvici, can be reached on 571-272-4083. The fax phone numbers for the organization where the application or proceeding is assigned is 703/872-9306

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free)

sc
Patent Examiner.
March 4, 2005.



SRI RAMA CHANNAVAJJALA
PRIMARY EXAMINER